

Yasushi Okazaki

List of Publications by Year in descending order

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252
papers

20,869
citations

24978

57
h-index

11288

136
g-index

307
all docs

307
docs citations

307
times ranked

29178
citing authors

#	ARTICLE	IF	CITATIONS
1	Initial sequencing and comparative analysis of the mouse genome. <i>Nature</i> , 2002, 420, 520-562.	13.7	6,319
2	A promoter-level mammalian expression atlas. <i>Nature</i> , 2014, 507, 462-470.	13.7	1,838
3	Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs. <i>Nature</i> , 2002, 420, 563-573.	13.7	1,548
4	Transcribed enhancers lead waves of coordinated transcription in transitioning mammalian cells. <i>Science</i> , 2015, 347, 1010-1014.	6.0	517
5	The transcriptional network that controls growth arrest and differentiation in a human myeloid leukemia cell line. <i>Nature Genetics</i> , 2009, 41, 553-562.	9.4	408
6	High-Efficiency Full-Length cDNA Cloning by Biotinylated CAP Trapper. <i>Genomics</i> , 1996, 37, 327-336.	1.3	297
7	Integrative Annotation of 21,037 Human Genes Validated by Full-Length cDNA Clones. <i>PLoS Biology</i> , 2004, 2, e162.	2.6	290
8	miR-125b inhibits osteoblastic differentiation by down-regulation of cell proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 267-272.	1.0	273
9	Normalization and Subtraction of Cap-Trapper-Selected cDNAs to Prepare Full-Length cDNA Libraries for Rapid Discovery of New Genes. <i>Genome Research</i> , 2000, 10, 1617-1630.	2.4	263
10	A Comprehensive Genomic Analysis Reveals the Genetic Landscape of Mitochondrial Respiratory Chain Complex Deficiencies. <i>PLoS Genetics</i> , 2016, 12, e1005679.	1.5	236
11	Î¼41B, a novel adaptor medium chain expressed in polarized epithelial cells1. <i>FEBS Letters</i> , 1999, 449, 215-220.	1.3	234
12	Single-cell transcriptomics reveals expansion of cytotoxic CD4 T cells in supercentenarians. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24242-24251.	3.3	215
13	Identification of Grf1 on mouse chromosome 9 as an imprinted gene by RLGSâ€M. <i>Nature Genetics</i> , 1996, 14, 106-109.	9.4	212
14	miRâ€210 promotes osteoblastic differentiation through inhibition of <i>AcvR1b</i> . <i>FEBS Letters</i> , 2009, 583, 2263-2268.	1.3	201
15	FANTOM5 CAGE profiles of human and mouse samples. <i>Scientific Data</i> , 2017, 4, 170112.	2.4	195
16	Constitutively Activated ALK2 and Increased SMAD1/5 Cooperatively Induce Bone Morphogenetic Protein Signaling in Fibrodysplasia Ossificans Progressiva. <i>Journal of Biological Chemistry</i> , 2009, 284, 7149-7156.	1.6	184
17	The Mouse Zic Gene Family. <i>Journal of Biological Chemistry</i> , 1996, 271, 1043-1047.	1.6	178
18	Restriction landmark genomic scanning method and its various applications. <i>Electrophoresis</i> , 1993, 14, 251-258.	1.3	156

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19	Targeting a Complex Transcriptome: The Construction of the Mouse Full-Length cDNA Encyclopedia. <i>Genome Research</i> , 2003, 13, 1273-1289.	2.4	154
20	A novel preadipocyte cell line established from mouse adult mature adipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2004, 321, 967-974.	1.0	151
21	Asb4, Ata3, and Dcn Are Novel Imprinted Genes Identified by High-Throughput Screening Using RIKEN cDNA Microarray. <i>Biochemical and Biophysical Research Communications</i> , 2002, 290, 1499-1505.	1.0	126
22	Differential gene expression profiles of radioresistant oesophageal cancer cell lines established by continuous fractionated irradiation. <i>British Journal of Cancer</i> , 2004, 91, 1543-1550.	2.9	123
23	Mutations in GTPBP3 Cause a Mitochondrial Translation Defect Associated with Hypertrophic Cardiomyopathy, Lactic Acidosis, and Encephalopathy. <i>American Journal of Human Genetics</i> , 2014, 95, 708-720.	2.6	123
24	Attenuation of increased regional myocardial oxygen consumption during exercise as a major cause of warm-up phenomenon. <i>Journal of the American College of Cardiology</i> , 1993, 21, 1597-1604.	1.2	120
25	Cell Surface Expression of Calnexin, a Molecular Chaperone in the Endoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2000, 275, 35751-35758.	1.6	120
26	Genetic control of the innate immune response. <i>BMC Immunology</i> , 2003, 4, 5.	0.9	119
27	Metabolic and chemical regulation of tRNA modification associated with taurine deficiency and human disease. <i>Nucleic Acids Research</i> , 2018, 46, 1565-1583.	6.5	110
28	Functional annotation of human long noncoding RNAs via molecular phenotyping. <i>Genome Research</i> , 2020, 30, 1060-1072.	2.4	109
29	ATAD3 gene cluster deletions cause cerebellar dysfunction associated with altered mitochondrial DNA and cholesterol metabolism. <i>Brain</i> , 2017, 140, 1595-1610.	3.7	105
30	Protein-Protein Interaction Panel Using Mouse Full-Length cDNAs. <i>Genome Research</i> , 2001, 11, 1758-1765.	2.4	100
31	Discovery of Imprinted Transcripts in the Mouse Transcriptome Using Large-Scale Expression Profiling. <i>Genome Research</i> , 2003, 13, 1402-1409.	2.4	96
32	Novel peroxisomal protease Tysnd1 processes PTS1- and PTS2-containing enzymes involved in β -oxidation of fatty acids. <i>EMBO Journal</i> , 2007, 26, 835-845.	3.5	94
33	Deficiency of <i>ECHS1</i> causes mitochondrial encephalopathy with cardiac involvement. <i>Annals of Clinical and Translational Neurology</i> , 2015, 2, 492-509.	1.7	90
34	COQ4 Mutations Cause a Broad Spectrum of Mitochondrial Disorders Associated with CoQ10 Deficiency. <i>American Journal of Human Genetics</i> , 2015, 96, 309-317.	2.6	86
35	Clinical implementation of RNA sequencing for Mendelian disease diagnostics. <i>Genome Medicine</i> , 2022, 14, 38.	3.6	85
36	Molecular Analysis of Gene Expression in the Developing Pontocerebellar Projection System. <i>Neuron</i> , 2002, 36, 417-434.	3.8	84

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37	Association of UGT2B7 and ABCB1 genotypes with morphine-induced adverse drug reactions in Japanese patients with cancer. <i>Cancer Chemotherapy and Pharmacology</i> , 2010, 65, 251-258.	1.1	83
38	1-Adrenoceptor Activation Increases Ecto-5'-Nucleotidase Activity and Adenosine Release in Rat Cardiomyocytes by Activating Protein Kinase C. <i>Circulation</i> , 1995, 91, 2226-2234.	1.6	83
39	A Genome-Wide Association Study for Diabetic Retinopathy in a Japanese Population: Potential Association with a Long Intergenic Non-Coding RNA. <i>PLoS ONE</i> , 2014, 9, e111715.	1.1	81
40	Clinical validity of biochemical and molecular analysis in diagnosing Leigh syndrome: a study of 106 Japanese patients. <i>Journal of Inherited Metabolic Disease</i> , 2017, 40, 685-693.	1.7	78
41	Differential gene expression profiles of gastric cancer cells established from primary tumour and malignant ascites. <i>British Journal of Cancer</i> , 2002, 87, 1153-1161.	2.9	76
42	Mitochondrial Disease Sequence Data Resource (MSeqDR): A global grass-roots consortium to facilitate deposition, curation, annotation, and integrated analysis of genomic data for the mitochondrial disease clinical and research communities. <i>Molecular Genetics and Metabolism</i> , 2015, 114, 388-396.	0.5	76
43	The Mouse Secretome: Functional Classification of the Proteins Secreted Into the Extracellular Environment. <i>Genome Research</i> , 2003, 13, 1350-1359.	2.4	73
44	B Cell Chemoattractant CXCL13 Is Preferentially Expressed by Human Th17 Cell Clones. <i>Journal of Immunology</i> , 2008, 181, 186-189.	0.4	73
45	Biallelic IARS Mutations Cause Growth Retardation with Prenatal Onset, Intellectual Disability, Muscular Hypotonia, and Infantile Hepatopathy. <i>American Journal of Human Genetics</i> , 2016, 99, 414-422.	2.6	73
46	Gene discovery in genetically labeled single dopaminergic neurons of the retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5069-5074.	3.3	70
47	Dual Roles of Smad Proteins in the Conversion from Myoblasts to Osteoblastic Cells by Bone Morphogenetic Proteins. <i>Journal of Biological Chemistry</i> , 2010, 285, 15577-15586.	1.6	70
48	Systematic Expression Profiling of the Mouse Transcriptome Using RIKEN cDNA Microarrays. <i>Genome Research</i> , 2003, 13, 1318-1323.	2.4	69
49	CDS Annotation in Full-Length cDNA Sequence. <i>Genome Research</i> , 2003, 13, 1478-1487.	2.4	69
50	A unique mutation of ALK2, G356D, found in a patient with fibrodysplasia ossificans progressiva is a moderately activated BMP type I receptor. <i>Biochemical and Biophysical Research Communications</i> , 2008, 377, 905-909.	1.0	69
51	Loss of MAX results in meiotic entry in mouse embryonic and germline stem cells. <i>Nature Communications</i> , 2016, 7, 11056.	5.8	68
52	Id4, a New Candidate Gene for Senile Osteoporosis, Acts as a Molecular Switch Promoting Osteoblast Differentiation. <i>PLoS Genetics</i> , 2010, 6, e1001019.	1.5	67
53	Identification and characterization of Zic4, a new member of the mouse Zic gene family. <i>Gene</i> , 1996, 172, 291-294.	1.0	66
54	Methylation and Downregulated Expression of mac25/Insulin-like Growth Factor Binding Protein-7 Is Associated with Liver Tumorigenesis in SV40T/t Antigen Transgenic Mice, Screened by Restriction Landmark Genomic Scanning for Methylation (RLGS-M). <i>Biochemical and Biophysical Research Communications</i> , 2000, 267, 109-117.	1.0	66

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55	Mutations in TOP3A Cause a Bloom Syndrome-like Disorder. <i>American Journal of Human Genetics</i> , 2018, 103, 221-231.	2.6	65
56	Indefinite Self-Renewal of ESCs through Myc/Max Transcriptional Complex-Independent Mechanisms. <i>Cell Stem Cell</i> , 2011, 9, 37-49.	5.2	64
57	A Novel acyl-CoA Thioesterase Enhances Its Enzymatic Activity by Direct Binding with HIV Nef. <i>Biochemical and Biophysical Research Communications</i> , 1997, 238, 234-239.	1.0	63
58	Estrogen-related receptor β modulates the expression of adipogenesis-related genes during adipocyte differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2007, 358, 813-818.	1.0	63
59	Mechanism of liver regeneration after partial hepatectomy using mouse cDNA microarray. <i>Journal of Hepatology</i> , 2004, 40, 464-471.	1.8	59
60	Homozygosity Haplotype Allows a Genomewide Search for the Autosomal Segments Shared among Patients. <i>American Journal of Human Genetics</i> , 2007, 80, 1090-1102.	2.6	59
61	Preprocessing implementation for microarray (PRIM): an efficient method for processing cDNA microarray data. <i>Physiological Genomics</i> , 2001, 4, 183-188.	1.0	58
62	Intra-mitochondrial Methylation Deficiency Due to Mutations in SLC25A26. <i>American Journal of Human Genetics</i> , 2015, 97, 761-768.	2.6	58
63	Biallelic C1QBP Mutations Cause Severe Neonatal-, Childhood-, or Later-Onset Cardiomyopathy Associated with Combined Respiratory-Chain Deficiencies. <i>American Journal of Human Genetics</i> , 2017, 101, 525-538.	2.6	58
64	FANTOM DB: database of Functional Annotation of RIKEN Mouse cDNA Clones. <i>Nucleic Acids Research</i> , 2002, 30, 116-118.	6.5	55
65	Association of the HTRA1 gene variant with age-related macular degeneration in the Japanese population. <i>Journal of Human Genetics</i> , 2007, 52, 636-641.	1.1	55
66	Multiple tissue-specific promoters control expression of the murine tartrate-resistant acid phosphatase gene. <i>Gene</i> , 2003, 307, 111-123.	1.0	54
67	Complement Factor H and High-Temperature Requirement A-1 Genotypes and Treatment Response of Age-related Macular Degeneration. <i>Ophthalmology</i> , 2011, 118, 93-100.	2.5	53
68	Identification of novel PPAR β target genes by integrated analysis of CHIP-on-chip and microarray expression data during adipocyte differentiation. <i>Biochemical and Biophysical Research Communications</i> , 2008, 372, 362-366.	1.0	52
69	An expanded system of restriction landmark genomic scanning (RLGS Ver. 1.8). <i>Electrophoresis</i> , 1995, 16, 197-202.	1.3	51
70	Mechanism of postoperative liver failure after excessive hepatectomy investigated using a cDNA microarray. <i>Journal of Hepato-Biliary-Pancreatic Surgery</i> , 2002, 9, 352-359.	2.0	51
71	Overexpression of dopa decarboxylase in peritoneal dissemination of gastric cancer and its potential as a novel marker for the detection of peritoneal micrometastases with real-time RT-PCR. <i>British Journal of Cancer</i> , 2004, 90, 665-671.	2.9	50
72	Lamr1 functional retroposon causes right ventricular dysplasia in mice. <i>Nature Genetics</i> , 2004, 36, 123-130.	9.4	48

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73	Characterization of Gene Expression in Mouse Blastocyst Using Single-Pass Sequencing of 3995 Clones. <i>Genomics</i> , 1998, 49, 167-179.	1.3	47
74	Molecular Basis of Constitutive Production of Basement Membrane Components. <i>Journal of Biological Chemistry</i> , 2003, 278, 50691-50701.	1.6	47
75	Identification of novel steroid target genes through the combination of bioinformatics and functional analysis of hormone response elements. <i>Biochemical and Biophysical Research Communications</i> , 2006, 339, 99-106.	1.0	47
76	A novel mutation of ALK2, L196P, found in the most benign case of fibrodysplasia ossificans progressiva activates BMP-specific intracellular signaling equivalent to a typical mutation, R206H. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 213-218.	1.0	47
77	MT-ND5 Mutation Exhibits Highly Variable Neurological Manifestations at Low Mutant Load. <i>EBioMedicine</i> , 2018, 30, 86-93.	2.7	47
78	Novel homeodomain-interacting protein kinase family member, HIPK4, phosphorylates human p53 at serine 9. <i>FEBS Letters</i> , 2007, 581, 5649-5657.	1.3	46
79	Mitochondrial ribosomal protein PTCO3 mutations cause oxidative phosphorylation defects with Leigh syndrome. <i>Neurogenetics</i> , 2019, 20, 9-25.	0.7	46
80	Possible involvement of inositol 1,4,5-trisphosphate receptor type 3 (IP3R3) in the peritoneal dissemination of gastric cancers. <i>Anticancer Research</i> , 2003, 23, 3691-7.	0.5	46
81	Detection of genes with tissue-specific expression patterns using Akaike's information criterion procedure. <i>Physiological Genomics</i> , 2003, 12, 251-259.	1.0	45
82	Concise prediction models of anticancer efficacy of 8 drugs using expression data from 12 selected genes. <i>International Journal of Cancer</i> , 2004, 111, 617-626.	2.3	45
83	A genetic linkage map of the Syrian hamster and localization of cardiomyopathy locus on chromosome 9q2.1 using RLGS spot mapping. <i>Nature Genetics</i> , 1996, 13, 87-90.	9.4	44
84	Analysis of gene expression involved in brain metastasis from breast cancer using cDNA microarray. <i>Breast Cancer</i> , 2002, 9, 26-32.	1.3	44
85	Analysis of gene expression in the developing mouse retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5491-5496.	3.3	44
86	Recent topics: the diagnosis, molecular genesis, and treatment of mitochondrial diseases. <i>Journal of Human Genetics</i> , 2019, 64, 113-125.	1.1	44
87	Curdlan Induces DC-Mediated Th17 Polarization via Jagged1 Activation in Human Dendritic Cells. <i>Allergy International</i> , 2010, 59, 161-166.	1.4	43
88	Continued Discovery of Transcriptional Units Expressed in Cells of the Mouse Mononuclear Phagocyte Lineage. <i>Genome Research</i> , 2003, 13, 1360-1365.	2.4	41
89	Prevalence of Lynch syndrome and Lynch-like syndrome among patients with colorectal cancer in a Japanese hospital-based population. <i>Japanese Journal of Clinical Oncology</i> , 2017, 47, 108-117.	0.6	40
90	Loss of miR-542-3p enhances IGFBP-1 expression in decidualizing human endometrial stromal cells. <i>Scientific Reports</i> , 2017, 7, 40001.	1.6	38

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91	Rewiring of the Human Mitochondrial Interactome during Neuronal Reprogramming Reveals Regulators of the Respirasome and Neurogenesis. <i>IScience</i> , 2019, 19, 1114-1132.	1.9	38
92	READ: RIKEN Expression Array Database. <i>Nucleic Acids Research</i> , 2002, 30, 211-213.	6.5	37
93	Fluctuating liver functions in siblings with MPV17 mutations and possible improvement associated with dietary and pharmaceutical treatments targeting respiratory chain complex II. <i>Molecular Genetics and Metabolism</i> , 2009, 97, 292-296.	0.5	37
94	Isolation of a novel mouse gene, mSVS-1/SUSD2, reversing tumorigenic phenotypes of cancer cells in vitro. <i>Cancer Science</i> , 2007, 98, 900-908.	1.7	35
95	Cardiomyopathy in children with mitochondrial disease: Prognosis and genetic background. <i>International Journal of Cardiology</i> , 2019, 279, 115-121.	0.8	35
96	Development and Evaluation of an Automated Annotation Pipeline and cDNA Annotation System. <i>Genome Research</i> , 2003, 13, 1542-1551.	2.4	34
97	Development of a rapid culture method to induce adipocyte differentiation of human bone marrow-derived mesenchymal stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2010, 394, 303-308.	1.0	34
98	Fatal Perinatal Mitochondrial Cardiac Failure Caused by Recurrent De Novo Duplications in the ATAD3 Locus. <i>Med</i> , 2021, 2, 49-73.e10.	2.2	33
99	Tysnd1 Deficiency in Mice Interferes with the Peroxisomal Localization of PTS2 Enzymes, Causing Lipid Metabolic Abnormalities and Male Infertility. <i>PLoS Genetics</i> , 2013, 9, e1003286.	1.5	32
100	<i>DNM1L</i> -related encephalopathy in infancy with Leigh syndrome-like phenotype and suppression of burst. <i>Clinical Genetics</i> , 2016, 90, 472-474.	1.0	32
101	Mortality of Japanese patients with Leigh syndrome: Effects of age at onset and genetic diagnosis. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 819-826.	1.7	32
102	Analysis of the Mouse Transcriptome for Genes Involved in the Function of the Nervous System. <i>Genome Research</i> , 2003, 13, 1395-1401.	2.4	30
103	Differential Requirement for Nucleostemin in Embryonic Stem Cell and Neural Stem Cell Viability. <i>Stem Cells</i> , 2009, 27, 1066-1076.	1.4	30
104	MicroRNA-135b suppresses extravillous trophoblast-derived HTR-8/SVneo cell invasion by directly down regulating CXCL12 under low oxygen conditions. <i>Biochemical and Biophysical Research Communications</i> , 2015, 461, 421-426.	1.0	30
105	Simple and rapid preparation of plasmid template by a filtration method using microtiter filter plates. <i>Nucleic Acids Research</i> , 1997, 25, 1315-1316.	6.5	29
106	Exome sequencing of senescence-accelerated mice (SAM) reveals deleterious mutations in degenerative disease-causing genes. <i>BMC Genomics</i> , 2013, 14, 248.	1.2	29
107	Clinical and molecular basis of hepatocerebral mitochondrial DNA depletion syndrome in Japan: evaluation of outcomes after liver transplantation. <i>Orphanet Journal of Rare Diseases</i> , 2020, 15, 169.	1.2	29
108	Fam57b (Family with Sequence Similarity 57, Member B), a Novel Peroxisome Proliferator-activated Receptor β Target Gene That Regulates Adipogenesis through Ceramide Synthesis. <i>Journal of Biological Chemistry</i> , 2013, 288, 4522-4537.	1.6	28

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109	Automated Filtration-Based High-Throughput Plasmid Preparation System. <i>Genome Research</i> , 1999, 9, 463-470.	2.4	28
110	Comprehensive Analysis of the Mouse Metabolome Based on the Transcriptome. <i>Genome Research</i> , 2003, 13, 1345-1349.	2.4	27
111	Spatial patterns of gene expression in the olfactory bulb. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12718-12723.	3.3	26
112	Genome wide analysis of TNF-inducible genes reveals that antioxidant enzymes are induced by TNF and responsible for elimination of ROS. <i>Molecular Immunology</i> , 2004, 41, 547-551.	1.0	26
113	Clinical Significance of Large Tenascin-C Spliced Variant as a Potential Biomarker for Colorectal Cancer. <i>World Journal of Surgery</i> , 2007, 31, 388-394.	0.8	26
114	Netrin-4 derived from murine vascular endothelial cells inhibits osteoclast differentiation in vitro and prevents bone loss in vivo. <i>FEBS Letters</i> , 2014, 588, 2262-2269.	1.3	26
115	Clinico-molecular study of dedifferentiation in well-differentiated liposarcoma. <i>Biochemical and Biophysical Research Communications</i> , 2004, 314, 1133-1140.	1.0	25
116	Identification and functional analysis of consensus androgen response elements in human prostate cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2004, 325, 1312-1317.	1.0	25
117	A spot cloning method for restriction landmark genomic scanning. <i>Electrophoresis</i> , 1995, 16, 203-209.	1.3	23
118	Rapidly progressive infantile cardiomyopathy with mitochondrial respiratory chain complex V deficiency due to loss of ATPase 6 and 8 protein. <i>International Journal of Cardiology</i> , 2016, 207, 203-205.	0.8	23
119	Genetic mapping of restriction landmark genomic scanning loci in the mouse. <i>Electrophoresis</i> , 1995, 16, 233-240.	1.3	22
120	Inferring Alternative Splicing Patterns in Mouse from a Full-Length cDNA Library and Microarray Data. <i>Genome Research</i> , 2002, 12, 1286-1293.	2.4	21
121	Exploration of Novel Motifs Derived from Mouse cDNA Sequences. <i>Genome Research</i> , 2002, 12, 367-378.	2.4	21
122	Combined Overexpression of JARID2, PRDM14, ESRRB, and SALL4A Dramatically Improves Efficiency and Kinetics of Reprogramming to Induced Pluripotent Stem Cells. <i>Stem Cells</i> , 2016, 34, 322-333.	1.4	21
123	Rapid detection of germline mutations for hereditary gastrointestinal polyposis/cancers using HaloPlex target enrichment and high-throughput sequencing technologies. <i>Familial Cancer</i> , 2016, 15, 553-562.	0.9	21
124	First report of an Asian family with gastric adenocarcinoma and proximal polyposis of the stomach (GAPPS) revealed with the germline mutation of the APC exon 1B promoter region. <i>Gastric Cancer</i> , 2018, 21, 1058-1063.	2.7	21
125	Esophageal bronchogenic cyst successfully excised by endoscopic mucosal resection. <i>Gastrointestinal Endoscopy</i> , 2002, 56, 141-145.	0.5	20
126	The Paired-box Homeodomain Transcription Factor Pax6 Binds to the Upstream Region of the TRAP Gene Promoter and Suppresses Receptor Activator of NF- κ B Ligand (RANKL)-induced Osteoclast Differentiation. <i>Journal of Biological Chemistry</i> , 2013, 288, 31299-31312.	1.6	20

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127	A simple method for sequencing the whole human mitochondrial genome directly from samples and its application to genetic testing. <i>Scientific Reports</i> , 2019, 9, 17411.	1.6	20
128	A single gel analysis of 575 dominant and codominant restriction landmark genomic scanning loci in mice interspecific backcross progeny. <i>Electrophoresis</i> , 1995, 16, 253-260.	1.3	19
129	New MTâ€ND6 and NDUFA1 mutations in mitochondrial respiratory chain disorders. <i>Annals of Clinical and Translational Neurology</i> , 2014, 1, 361-369.	1.7	19
130	Donepezil prevents RANK-induced bone loss via inhibition of osteoclast differentiation by downregulating acetylcholinesterase. <i>Heliyon</i> , 2015, 1, e00013.	1.4	19
131	Effects of 5-aminolevulinic acid and sodium ferrous citrate on fibroblasts from individuals with mitochondrial diseases. <i>Scientific Reports</i> , 2019, 9, 10549.	1.6	19
132	Identification of stable RNA hairpins causing band compression in transcriptional sequencing and their elimination by use of inosine triphosphate. <i>Gene</i> , 1998, 222, 17-24.	1.0	18
133	Identification of a novel left-right asymmetrically expressed gene in the mouse belonging to the BPI/PLUNC superfamily. <i>Developmental Dynamics</i> , 2004, 229, 373-379.	0.8	18
134	Sirt1, p53, and p38 ^{MAPK} Are Crucial Regulators of Detrimental Phenotypes of Embryonic Stem Cells with <i>Max</i> Expression Ablation. <i>Stem Cells</i> , 2012, 30, 1634-1644.	1.4	18
135	Murine osteoclasts secrete serine protease HtrA1 capable of degrading osteoprotegerin in the bone microenvironment. <i>Communications Biology</i> , 2019, 2, 86.	2.0	18
136	Prevalence of Lynch syndrome among patients with upper urinary tract carcinoma in a Japanese hospital-based population. <i>Japanese Journal of Clinical Oncology</i> , 2020, 50, 80-88.	0.6	18
137	A homozygous variant in <i>NDUFA8</i> is associated with developmental delay, microcephaly, and epilepsy due to mitochondrial complex I deficiency. <i>Clinical Genetics</i> , 2020, 98, 155-165.	1.0	18
138	Metastatic malignant meningioma of the liver with hypoglycemia: Report of a case. <i>Surgery Today</i> , 1998, 28, 953-958.	0.7	17
139	EICO (Expression-based Imprint Candidate Organizer): finding disease-related imprinted genes. <i>Nucleic Acids Research</i> , 2004, 32, 548D-551.	6.5	17
140	Genetic profile of the SMXA recombinant inbred mouse strains revealed with restriction landmark genomic scanning. <i>Mammalian Genome</i> , 1998, 9, 695-709.	1.0	16
141	Gene expression profile analysis of regenerating liver after portal vein ligation in rats by a cDNA microarray system. <i>Liver International</i> , 2004, 24, 253-258.	1.9	16
142	Human Arm protein lost in epithelial cancers, on chromosome X 1 (<i>ALEX1</i>) gene is transcriptionally regulated by CREB and Wnt/ β -catenin signaling. <i>Cancer Science</i> , 2010, 101, 1361-1366.	1.7	16
143	<i>ALEX1</i> suppresses colony formation ability of human colorectal carcinoma cell lines. <i>Cancer Science</i> , 2012, 103, 1267-1271.	1.7	16
144	An inhibitor of fibroblast growth factor receptor-1 (FGFR1) promotes late-stage terminal differentiation from NGN3+ pancreatic endocrine progenitors. <i>Scientific Reports</i> , 2016, 6, 35908.	1.6	16

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145	Recognition Sites of 3'-OH Group by T7 RNA Polymerase and Its Application to Transcriptional Sequencing. <i>Journal of Biological Chemistry</i> , 1998, 273, 14242-14246.	1.6	15
146	Pharmacologic Preconditioning Effects: Prostaglandin E Induces Heat-Shock Proteins Immediately After Ischemia/Reperfusion of the Mouse Liver. <i>Journal of Gastrointestinal Surgery</i> , 2005, 9, 758-768.	0.9	15
147	Predicted mouse peroxisome-targeted proteins and their actual subcellular locations. <i>BMC Bioinformatics</i> , 2008, 9, S16.	1.2	15
148	Molecular diagnosis of mitochondrial respiratory chain disorders in Japan: Focusing on mitochondrial DNA depletion syndrome. <i>Pediatrics International</i> , 2014, 56, 180-187.	0.2	15
149	Leigh syndrome with spinal cord involvement due to a hemizygous NDUF1 mutation. <i>Brain and Development</i> , 2018, 40, 498-502.	0.6	15
150	Molecular cloning, genetic mapping, and expression of the mouse Sf3b1 (SAP155) gene for the U2 snRNP component of spliceosome. <i>Mammalian Genome</i> , 2001, 12, 192-198.	1.0	14
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